

CLIPPEDIMAGE= JP402263265A

PAT-NO: JP402263265A

DOCUMENT-IDENTIFIER: JP 02263265 A

TITLE: TABULATION PROCESSOR

PUBN-DATE: October 26, 1990

INVENTOR-INFORMATION:

NAME

SHIRABE, SHIGETOSHI

ASSIGNEE-INFORMATION:

NAME

TOSHIBA CORP

COUNTRY

N/A

APPL-NO: JP01084421

APPL-DATE: April 3, 1989

INT-CL (IPC): G06F015/22

ABSTRACT:

PURPOSE: To operate the rows with high efficiency with no shift of data within a file by storing the row data presence information, the row data chain information in a memory means and updating the contents of the memory means.

CONSTITUTION: A data file 15 is prepared to store the data to be processed together with a work file 16 which is used for processing the data, a memory means 13 which stores the row data chain information as well as the row data presence information showing a specific file that stores the due row data, and a row data operation means 14 which performs the row data operations for a tabulation process by updating the contents of the stored row data presence

information and row data chain information. Thus the insertion, the deletion, the change of attribute, etc., can be carried out for the row data with change of the contents of the row data chain information. Therefore it is not required to actually shift the data within a file and a tabulation process is attained with high efficiency even at a level exceeding the capacity of the file 15.

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# WEST Search History

DATE: Monday, September 09, 2002

**Set Name Query**  
side by side

**Hit Count Set Name**  
result set

*DB=USPT; PLUR=YES; OP=OR*

L25	metadata	905	L25
L24	L22 and data	4	L24
L23	L22 and tabulat\$3	0	L23
L22	L21 and processing with ASCII	4	L22
L21	L20 and ASCII	7	L21
L20	L19 and array\$2	17	L20
L19	L18 and records	28	L19
L18	L17 and (data adj file or database or db)	37	L18
L17	L13 and encod\$3	42	L17
L16	L15 and processing	5	L16
L15	(high with volume with tabulation)	7	L15
L14	L13 and (high with volume with tabulation)	0	L14
L13	(L10 or L11) and (preprocessing or "pre-processing")	146	L13
L12	L10 and L11 and tabulation	2	L12
L11	((707/10 )!.CCLS. )	1948	L11
L10	((707/2 )!.CCLS. )	1111	L10
L9	L6 and (data adj tabulation)	10	L9
L8	L6 and (high with value with tabulation)	1	L8
L7	L6 and array\$2 with increment\$3	6	L7
L6	L4 and (data with tabulat\$4)	236	L6
L5	L4 and (data with tabulation)	81	L5
L4	L3 and (processor\$2 or processing or pre-processing)	18329	L4
L3	relational adj database or data adj file	20140	L3
L2	(4346442  4506326  4694397)! [pn]	3	L2
L1	5212639.pn.	1	L1

END OF SEARCH HISTORY

L Number	Hits	Search Text	DB	Time stamp
1	65	data adj tabulation	USPAT	2002/09/09 13:43
2	117	data adj tabulation	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/09/09 13:43
3	585606	tabulat\$3 processor	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/09/09 13:43
5	3	(tabulat\$3 adj processor) and (data adj file or database)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/09/09 13:44
4	14	tabulat\$3 adj processor	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/09/09 13:56
6	1018	data with tabulation	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/09/09 13:57
7	1	(data with tabulation) with (preprocess\$3 or "pre-process\$3")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/09/09 14:00
8	25	(data with tabulation) and (preprocess\$3 or "pre-process\$3")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/09/09 14:00